

What is claimed is:

- Sub 12
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1. A method of interfacing to pre-existing software code, comprising:  
providing a software wrapper capable of inheriting from at least a  
first application program interface (API) and a second API;  
delegating to a pre-existing enumeration of objects for a call to the  
first API;  
creating a vector identifying elements of the enumeration;  
maintaining a positional cursor based on a call to the second API;  
10 comparing the positional cursor to the vector; and  
selectively extracting one or more additional elements from the  
enumeration based on the comparison of the positional cursor and the vector.
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2. The method of claim 1, wherein the first API is a java-based  
enumeration API.
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3. The method of claim 1, wherein the second API is a java-based  
collection API.
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4. The method of claim 1, further comprising:  
providing an iterator, associated with the second API, for  
maintaining the positional cursor.
5. The method of claim 1, further comprising:  
providing a plurality of iterators for maintaining a plurality of  
positional cursors.

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6. The method of claim 1, further comprising:  
synchronizing a plurality of methods for extracting the elements  
from the enumeration.

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7. The method of claim 1, wherein the step of selectively extracting  
includes:  
extracting the elements from the enumeration when the positional  
cursor matches the size of the vector.

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8. A system, comprising:  
a processor for executing a software program;  
a memory, operatively coupled to the processor, storing the  
software program, wherein the software program comprises:  
means for providing a first application program interface (API);  
means for delegating to a pre-existing enumeration of objects for a  
call to the first API;  
means for creating a vector identifying elements of the  
enumeration;  
means for maintaining a positional cursor in response to a call to  
the second API;  
means for comparing the positional cursor to the vector; and  
means for selectively extracting one or more additional elements  
from the enumeration based on the comparison of the positional cursor and the  
vector.

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9. The system of claim 8, further comprising software code for defining the enumeration.

5 10. The system of claim 8, wherein the first API is a java-based enumeration API.

10 11. The system of claim 8, wherein the second API is a java-based collection API.

12. The system of claim 8, wherein the software program further comprises:

means for providing an iterator, associated with the second API, for maintaining the positional cursor.

15 13. The system of claim 8, wherein the software program further comprises:

means for providing a plurality of iterators for maintaining a plurality of positional cursors.

20 14. The system of claim 8, wherein the software program further comprises:

means for synchronizing a plurality of methods for extracting the elements from the enumeration.

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15. A computer program product in a computer-usable medium,  
comprising:  
means for providing a first application program interface (API);  
5 means for delegating to a pre-existing enumeration of objects for a  
call to the first API;  
means for creating a vector identifying elements of the  
enumeration;  
means for maintaining a positional cursor in response to a call to  
10 the second API;  
means for comparing the positional cursor to the vector; and  
means for selectively extracting one or more additional elements  
from the enumeration based on the comparison of the positional cursor and the  
vector.

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16. The computer program product of claim 15, further comprising:  
means for defining the enumeration.

17. The computer program product of claim 15, wherein the first API is  
20 a java-based enumeration API.

18. The computer program product of claim 15, wherein the second  
API is a java-based collection API.

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19. The computer program product of claim 15, further comprising:  
means for providing an iterator, associated with the second API, for  
maintaining the positional cursor.

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20. The computer program product of claim 15, further comprising:  
means for providing a plurality of iterators for maintaining a plurality  
of positional cursors.

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21. The computer program product of claim 15, further comprising:  
means for synchronizing a plurality of methods for extracting the  
elements from the enumeration.

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